

Title (en)

SECONDARY BATTERY, BATTERY MODULE, BATTERY PACK AND VEHICLE

Title (de)

SEKUNDÄRBATTERIE, BATTERIEMODUL, BATTERIEPACK UND FAHRZEUG

Title (fr)

BATTERIE SECONDAIRE, MODULE DE BATTERIE, BLOC-BATTERIE ET VÉHICULE

Publication

EP 3667805 A1 20200617 (EN)

Application

EP 20154290 A 20170201

Priority

- JP 2016017249 A 20160201
- JP 2016184794 A 20160921
- EP 17708671 A 20170201
- JP 2017003666 W 20170201

Abstract (en)

According to one embodiment, a secondary battery including a positive electrode, a negative electrode, and an electrolyte is provided. The negative electrode includes titanium-containing oxide and at least one kind of element selected from the group consisting of B, P, Al, La, Zr, Ge, Zn, Sn, Ga, Pb, In, Bi, and Ti. The electrolyte includes lithium ions and a solvent containing water.

IPC 8 full level

H01M 4/02 (2006.01); **H01M 4/36** (2006.01); **H01M 4/48** (2010.01); **H01M 4/485** (2010.01); **H01M 4/505** (2010.01); **H01M 4/525** (2010.01);
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CPC (source: EP KR)

H01M 4/131 (2013.01 - KR); **H01M 4/136** (2013.01 - KR); **H01M 4/36** (2013.01 - EP); **H01M 4/364** (2013.01 - EP); **H01M 4/366** (2013.01 - EP KR);
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H01M 4/628 (2013.01 - EP); **H01M 10/24** (2013.01 - EP); **H01M 10/26** (2013.01 - EP); **H01M 10/36** (2013.01 - EP KR);
H01M 10/425 (2013.01 - KR); **H01M 50/20** (2021.01 - KR); **H01M 50/502** (2021.01 - KR); **H01M 50/543** (2021.01 - KR);
H01M 2220/20 (2013.01 - KR); **H01M 2300/0002** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP KR); **Y02T 10/70** (2013.01 - KR)

Citation (applicant)

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- [Y] JP 2006127848 A 20060518 - TOYOTA CENTRAL RES & DEV
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DOCDB simple family (publication)

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JP WO2017135323 A1 20180208; KR 101930653 B1 20181218; KR 20180101701 A 20180913; WO 2017135323 A1 20170810

DOCDB simple family (application)

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